

FIG. 1

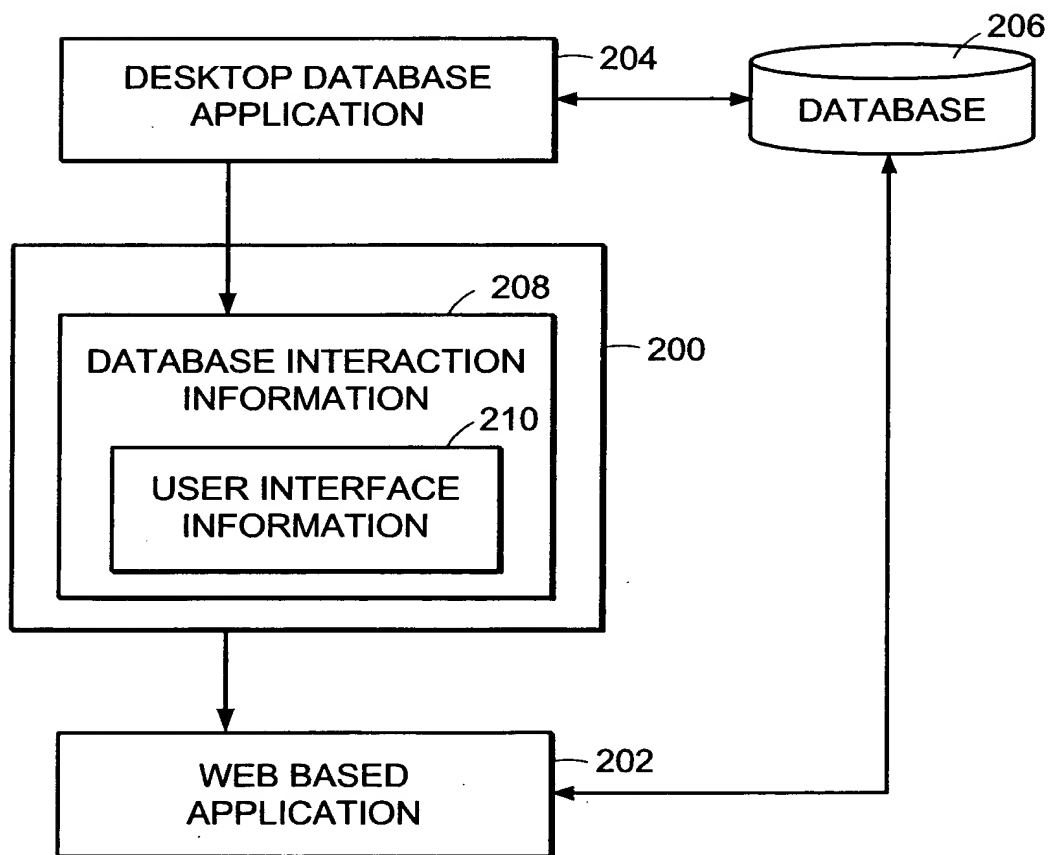


FIG. 2

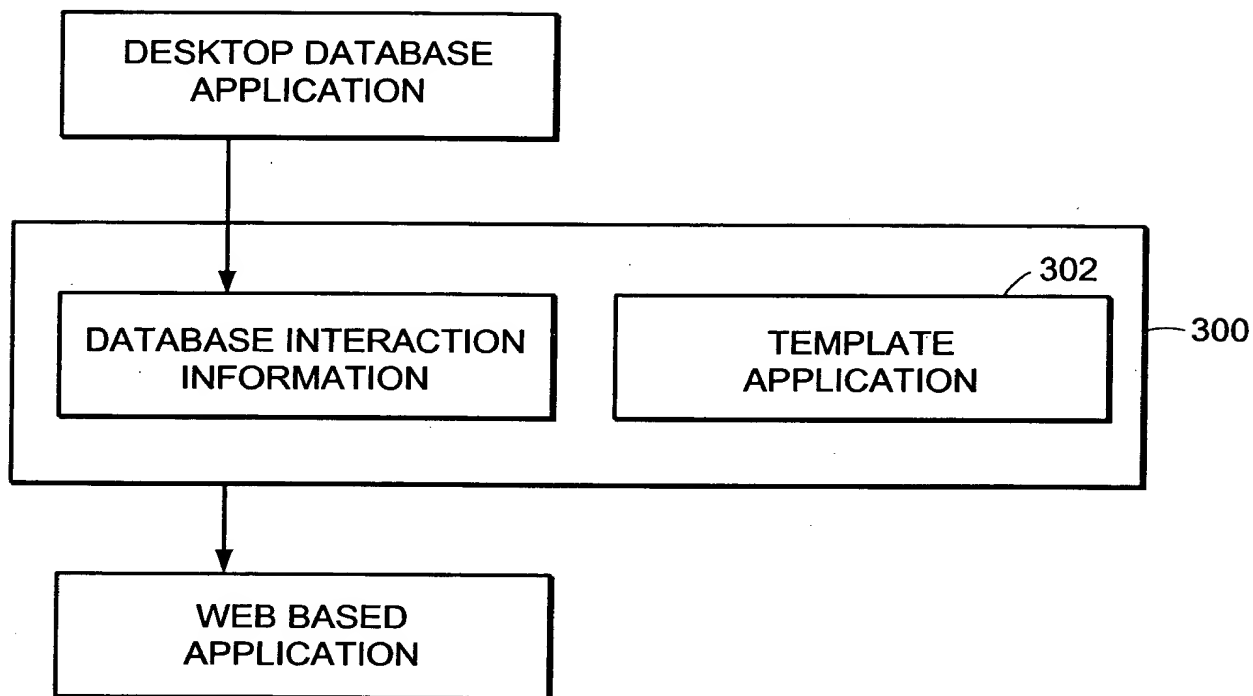


FIG. 3

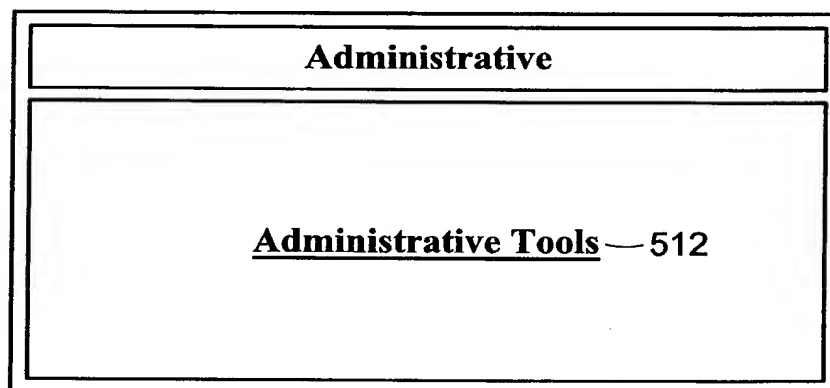


FIG. 6

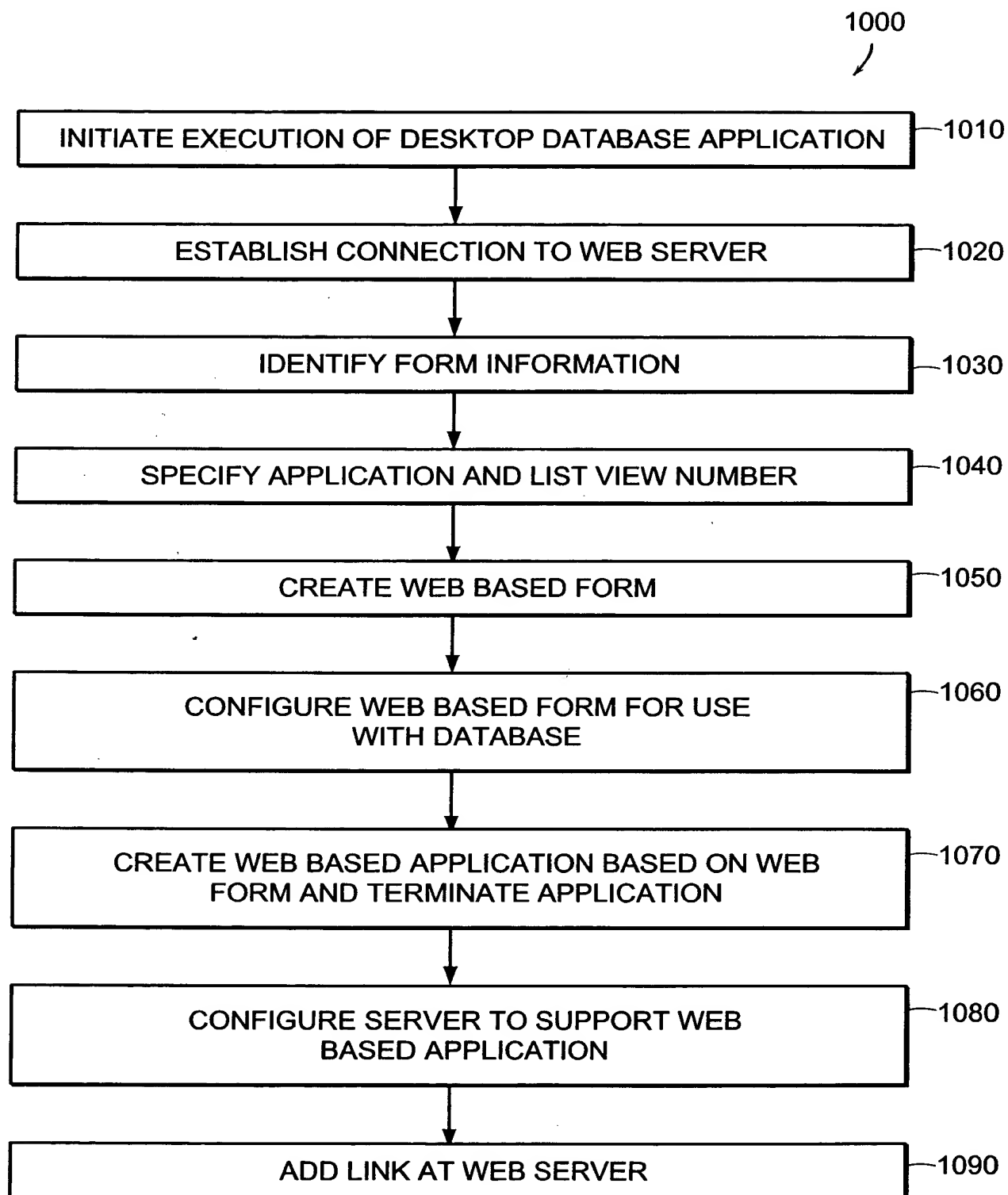


FIG. 4

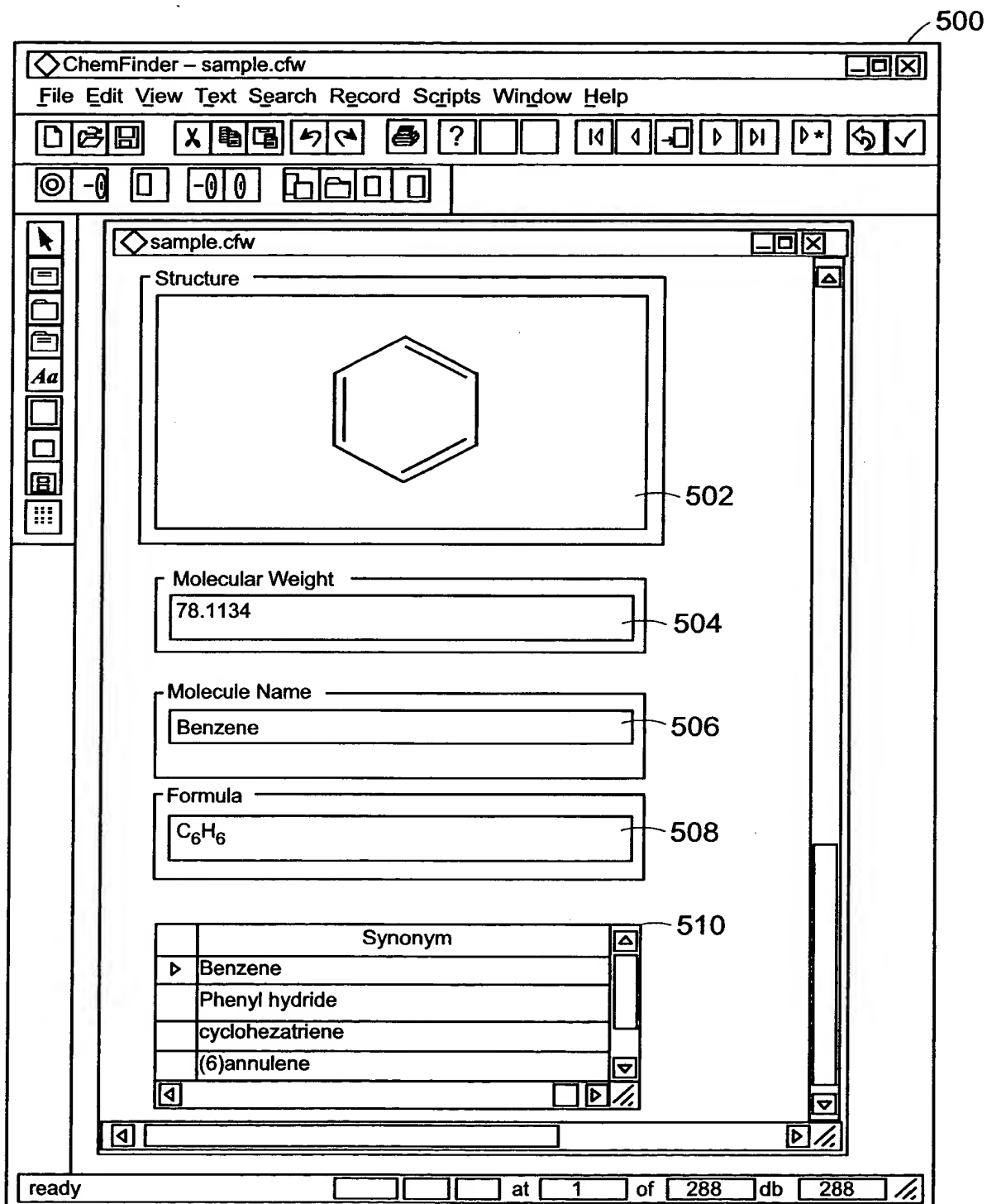


FIG. 5



5/25


	ChemOffice WebServer <i>Internet Searching and Information</i>	Web Administration
<p>Please enter your username and password below:</p> <p>User ID: <input type="text"/></p> <p>Password: <input type="password"/></p> <p><input type="button" value="Login"/></p>		

FIG. 7

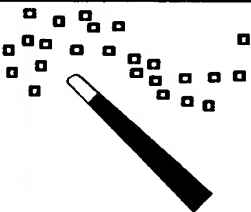

ChemOffice Web Wizard

Type a short name for the new web application: <input type="text" value="WizardTest"/>
<input type="button" value="Help"/> <input type="button" value="Cancel"/> <input type="button" value="Next>"/>

FIG. 9



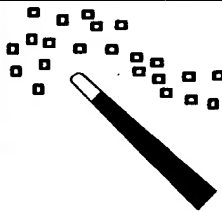
6/25

	ChemOffice WebServer <i>Internet Searching and Information</i>	Web Administration
---	--	---------------------------

ChemOffice WebServer Administration Options	
Select a web application to edit:	
<input type="text" value="all_reactions_data ▾"/>	<input type="button" value="Edit Settings"/>
	<input type="button" value="Add Data View"/>
	<input type="button" value="Create New Web Application"/>
514	
<input type="button" value="Exit"/> <input type="button" value="Help"/>	

FIG. 8

ChemOffice Web Wizard

 Type the full path to the ChemFinder form that you want to convert:

C:\wizard_test.cfw

Browse

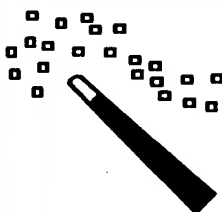
Select the type of data found in this ChemFinder database:

Structure ▾

Help Cancel <Back Next>

FIG. 10

ChemOffice Web Wizard

 Select the number of results to display in the result list view:

5 ▾

Select the fields that you want to appear in the list view (all fields will appear in detail below):

MolTable.Structure	▾
MolTable.Formula	
MolTable.MolWeight	
MolTable.Molname	
Synonyms.SYN_ID	△

Help Cancel <Back Next>

FIG. 11



8/25

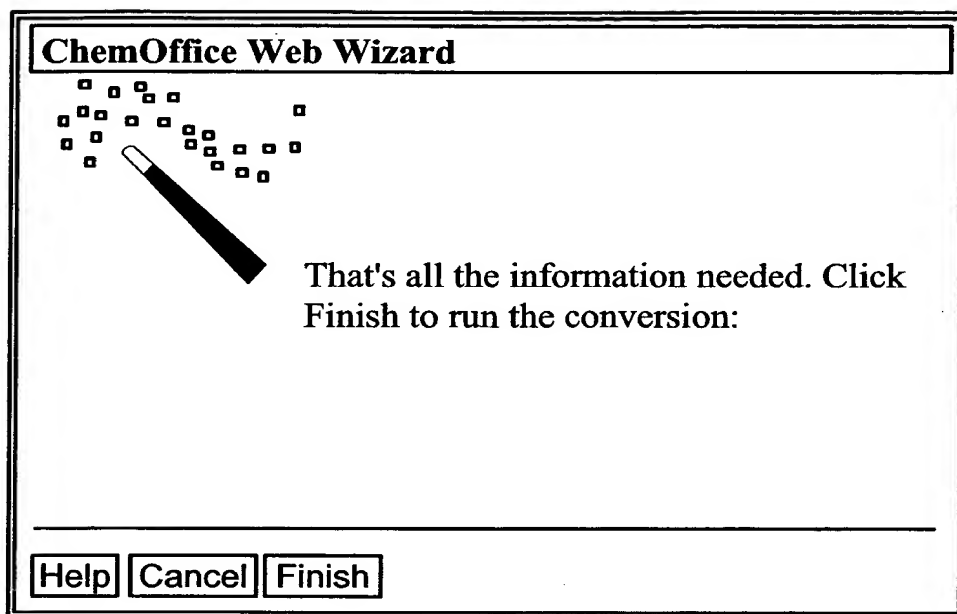


FIG. 12

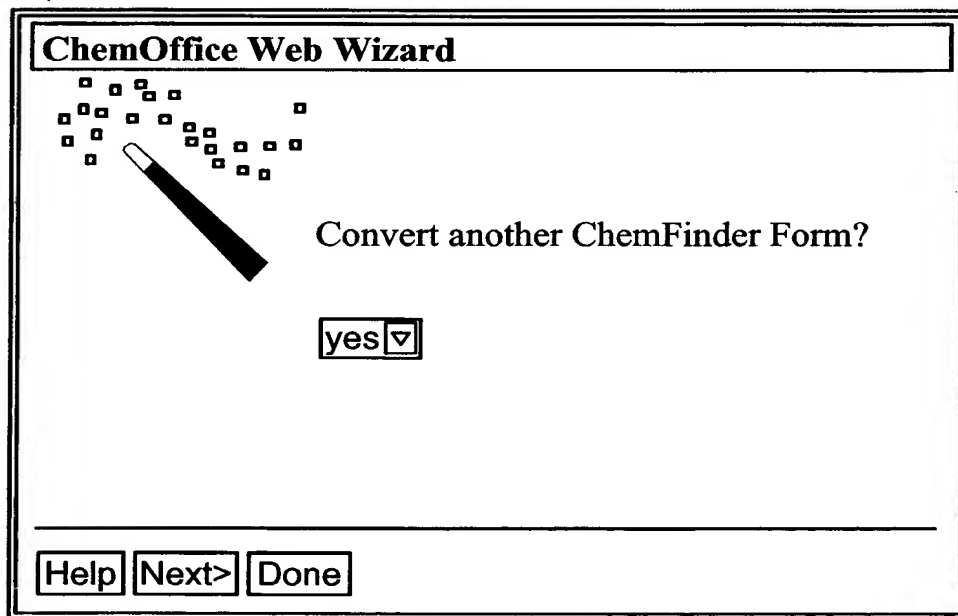



FIG. 13

9/25

		ChemOffice WebServer <i>Internet Searching and Information</i>	Web Administration
---	--	--	---------------------------

ChemOffice WebServer Administration Options	
Select a web application to edit:	<div> <div> Edit Settings </div> <div> Add Data View </div> <div> Create New Web Application </div> <div> Exit </div> <div> Help </div> </div>

<div> <div>all_reactions_data</div> <div> all_reactions_data chemacx chemindex chemmsdx chemrxn chem_reg Derwent sample Wizard Test </div> </div>	516
---	-----

FIG. 14



10/25


ChemMSDX

wizard test 518

sample

FIG. 15

520

**ChemOffice WebServer**
Internet Searching and Information

Query Input Form


Total Records: 288


Preferences Help About Log Off

Comment:

Search Clear Form Restore Last Retrieve All

Search Type

Substructure 



522

Molecular Weight

>200 524

Molecule Name

526

Formula

528

SynID

Synonym 530

FIG. 16

11/25

532


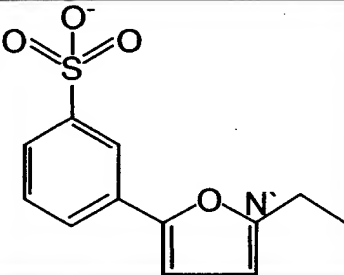
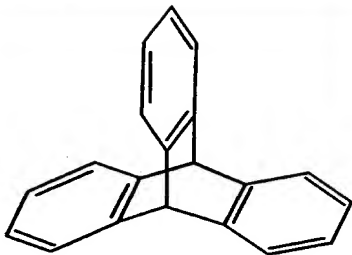
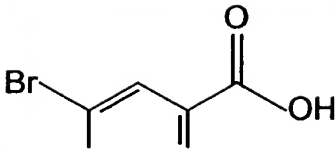

 ChemOffice WebServer Internet Searching and Information Results List View		
Total Records: 288	Preferences	Help About Log Off
Comment:	New Query	Edit Query Refine Save Query Export Hits
Record 1-5 of 48 hits << < Rec# > >>		
	Structure	Molname
Record 1 of 48 Mark Record Show Details		2-Ethyl-5-m-sulfophenylisoxazolium hydroxide, inner salt
Record 2 of 48 Mark Record Show Details		Triptycene
Record 3 of 48 Mark Record Show Details		3-Bromobenzoic acid

FIG. 17

12/25

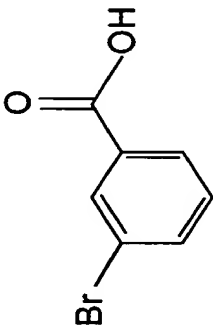
534


ChemOffice WebServer
 Internet Searching and Information

Results Form View

Total Records: 288
 Comment:

Preferences Help About Log Off
 (New Query) (Edit Query) (Save Query) (Refine) (Export Hits)
 Record 3 of 48 hits << < Rec# > >> (Return to List)



Molecular Weight
 201.0193
Molecule Name
 3-Bromobenzoic acid
Formula
 C7H5BrO2
Synonyms
 m- Bromobenzoic acid
 3- Bromobenzoic Acid

FIG. 18

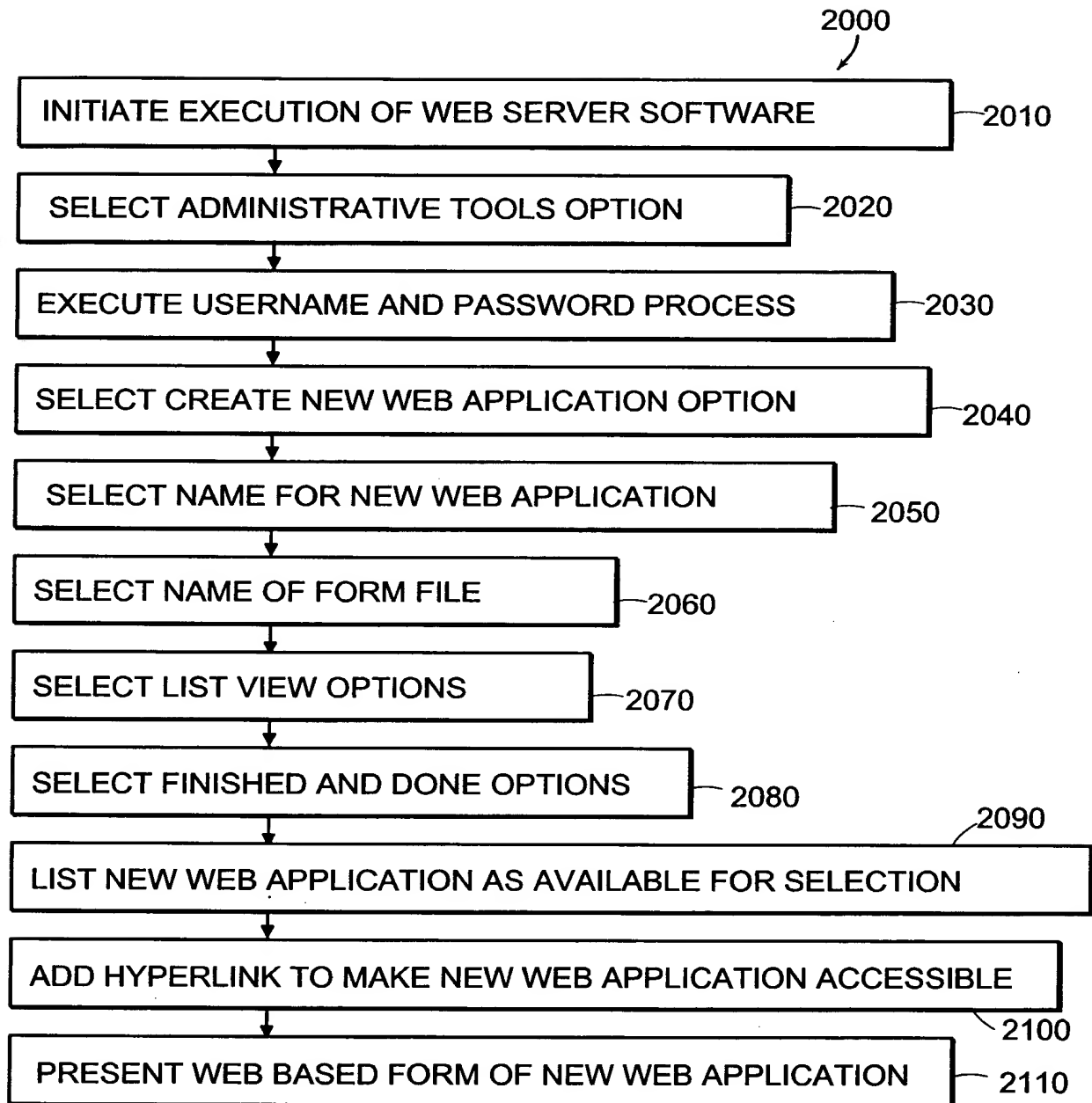


FIG. 19



FIG. 20A	FIG. 20B
----------	----------

FIG. 20

cfwoutput.txt

```
* CFW Form Definition
* FONT: height style name
* FBOX: boxtype l t r b id dtype fntno fldtype fldname
DSRC " "C:\wizard_test\wizard_test.MDB" " MolTable"
FONT 8 0 0 0 0 MS Sans Serif
FONT 10 0 0 0 0 Arial
FONT 8 700 0 0 0 Arial
```

FIG. 20A



15/25

```
FBOX 6" "23 411 306 542" "2001" "0" "0" "1" "MOL_ID" "C:\wizard_test\w
izard_test.MDB" "Synonyms" "SYN_ID" "Synonym"
SUBFORM 2001
* CFW Form Definition

* FONT: height style name
* FBOX: boxtype l t r b id dtype fntno fldtype fldname

DSRC " "C:\samples\SAMPLE.MDB" " Synonyms"
FONT 8 0 0 0 0 MS Sans Serif
FONT 10 0 0 0 0 Arial
FONT 8 700 0 0 0 Arial

FBOX 0" "12 12 12 72 60" "2001" "0" "0" "1" "SYN_ID"
FBOX 0" "90 10 247 62" "2002" "0" "0" "0" "Synonym"
END SUBFORM
FBOX 1" "12 12 315 187" "2002" "1" "0" "0" "Structure"
FBOX 4" "20 28 307 179" "2003" "0" "0" "3" "Structure"
FBOX 1" "20 203 307 257" "2004" "1" "0" "0" "Molecular Weight"
FBOX 0" "28 219 299 249" "2005" "0" "0" "5" "MolWeight"
FBOX 1" "21 268 307 328" "2006" "1" "0" "0" "Molecule Name"
FBOX 0" "28 293 301 317" "2007" "0" "0" "0" "Molname"
FBOX 1" "21 339 309 399" "2008" "1" "0" "0" "Formula"
FBOX 5" "29 355 301 391" "2009" "0" "0" "4" "Formula"
```

FIG. 20B



FIG. 21A-1
FIG. 21A-2
FIG. 21A-3

FIG. 21A

16/25

wizard_test (1).ini

```
[GLOBALS]
ABOUT_WINDOW=wizard_test
DISPLAY_NAME=wizard_test
MAXHITS=100
CFW_INSTANCE=new
DB_RECORD_COUNT=288
DB_TYPE=STRUC
TABLE_ALIASES=MolTable, Synonyms
SUBFORM_VIEW_NAMES=NULL
ADO_CONNECTION_NAMES=base_connection
CHEM_CONNECTION_NAMES=base_cfw_form
TABLE_GROUPS=base_table_group
FORM_GROUPS=base_form_group, basenp_form_group, gs_form_group, add_record_form_group, drill_down_form_group
FIELD_MAP_GROUPS=gs_field_map_group
```

FIG. 21A-1



17/25

```
[MOLTABLE]
TABLE_NAME=MolTable
RELATIONAL_FIELDS=Molname;0
PRIMARY_KEY=MOL_ID
SQL_SYNTAX=ACCESS
SELECT_KEYWORD=DISTINCT
SELECT_ADDITIONAL=NULL
SELECT_JOIN=MolTable.MOL_ID
SELECT_LINKS=MolTable.MOL_ID;1,MolTable.MOL_ID;1
INTER_TABLES=NULL
ADO_CONNECTION=base_connection
CHEM_CONNECTION=base_cfw_form
STRUC_FIELD_ID=MOL_ID
```

FIG. 21A-2



18/25

```
[SYNONYMS]
TABLE_NAME=Synonyms
RELATIONAL_FIELDS=SYN_ID;1, Synonym;0
PRIMARY_KEY=SYN_ID
SQL_SYNTAX=ACCESS
SELECT_KEYWORD=NULL
SELECT_ADDITIONAL=NULL
SELECT_JOIN=Synonyms.SYN_ID=MolTable.MOL_ID
SELECT_LINKS=Synonyms.SYN_ID;1, MolTable.MOL_ID;1
INTER_TABLES=MolTable
ADO_CONNECTION=base_connection
CHEM_CONNECTION=NULL
STRUC_FIELD_ID=NULL
```

```
[BASE_CONNECTION]
CONN_TYPE=DBQ
CONNECTION_STRING=C:\wizard_test\wizard_test.MDB;Driver={Microsoft Acc
ess Driver (*.mdb)};DriverId=25;FIL=MS Access;
CONNECTION_TIMEOUT=30
COMMAND_TIMEOUT=30
```

FIG. 21A-3



FIG. 21B-1
FIG. 21B-2
FIG. 21B-3

FIG. 21B

19/25

wizard_test (1).ini

```
CONNECTION_USERNAME=""  
CONNECTION_PASSWORD=""
```

```
[BASE_CFW_FORM]  
STRUC_ENGINE=CFW  
STRUC_FORM_NAME=wizard_test  
STRUC_DB_PATH=C:\wizard_test\wizard_test.MDB  
STRUC_TABLE_NAME=MolTable
```

```
[BASE_TABLE_GROUP]  
BASE_TABLE=MolTable  
MOLECULE_TABLE=MolTable  
TABLE_SQL_ORDER=MolTable, Synonyms
```

FIG. 21B-1



20/25

```
[BASE_FORM_GROUP]
INPUT_FORM_PATH=wizard_test_input_form.asp
INPUT_FORM_MODE=search
RESULT_FORM_PATH=wizard_test_result_list.asp
RESULT_FORM_MODE=list
PLUGIN_VALUE=True
STRUCTURE_FIELDS=MolTable.Structure
FORM_GROUP_FLAG=SINGLE_SEARCH
MW_FIELDS=MolTable.MolWeight
FORMULA_FIELDS=MolTable.Formula
SEARCHABLE_ADO_FIELDS=MolTable.Molname;0,Synonyms.SYN_ID;1,Synonyms.Sy
nonym;0
REQUIRED_FIELDS=NULL
SDFILE_FIELDS=NULL
TABLE_GROUP=base_table_group
NUM_LIST_VIEW=5
```

FIG. 21B-2



21/25

```
[BASENP_FORM_GROUP]
INPUT_FORM_PATH=wizard_test_input_formnp.asp
INPUT_FORM_MODE=search
RESULT_FORM_PATH=wizard_test_result_list.asp
RESULT_FORM_MODE=list
PLUGIN_VALUE=False
STRUCTURE_FIELDS=NULL
FORM_GROUP_FLAG=SINGLE_SEARCH
MW_FIELDS=MolTable.MolWeight
FORMULA_FIELDS=MolTable.Formula
SEARCHABLE_ADO_FIELDS=MolTable.Molname;0,Synonyms.SYN_ID;1,Synonyms.Sy
nonym;0
REQUIRED_FIELDS=NULL
SDFILE_FIELDS=NULL
TABLE_GROUP=base_table_group
NUM_LIST_VIEW=5

[GS_FORM_GROUP]
INPUT_FORM_PATH=wizard_test_input_form.asp
INPUT_FORM_MODE=search
```

FIG. 21B-3



FIG. 21C-1
FIG. 21C-2
FIG. 21C-3

FIG. 21C

22/25

```
wizard_test (1).ini
RESULT_FORM_PATH=wizard_test_result_list.asp
RESULT_FORM_MODE=list
PLUGIN_VALUE=True
STRUCTURE_FIELDS=MolTable.Structure
FORM_GROUP_FLAG=GLOBAL_SEARCH
MW_FIELDS=MolTable.MolWeight
FORMULA_FIELDS=MolTable.Formula
SEARCHABLE_ADO_FIELDS=MolTable.Molname;0,Synonyms.SYN_ID;1,Synonyms.Sy
nonym;0
REQUIRED_FIELDS=NULL
SDFILE_FIELDS=NULL
TABLE_GROUP=base_table_group
NUM_LIST_VIEW=5
FIELD_MAP_GROUP=gs_field_map_group
```

FIG. 21C-1



```
[ADD_RECORD_FORM_GROUP]
INPUT_FORM_PATH=wizard_test_input_form.asp
INPUT_FORM_MODE=search
RESULT_FORM_PATH=wizard_test_result_list.asp
RESULT_FORM_MODE=list
PLUGIN_VALUE=True
STRUCTURE_FIELDS=MolTable.Structure
FORM_GROUP_FLAG=ADD_RECORD
MW_FIELDS=MolTable.MolWeight
FORMULA_FIELDS=MolTable.Formula
SEARCHABLE_ADO_FIELDS=MolTable.Molname;0,Synonyms.SYN_ID;1,Synonyms.Sy
nonym;0
REQUIRED_FIELDS=NULL
SDFILE_FIELDS=NULL
TABLE_GROUP=base_table_group
NUM_LIST_VIEW=5
TABLE_ORDER_FULL_COMMIT=MolTable,Synonyms
TABLE_ORDER_PARTIAL_COMMIT=MolTable,Synonyms
REG_COMMIT_Basetable=MolTable
REG_COMMIT_MolTable=MolTable
```

23/25

FIG. 21C-2



24/25

```
[DRILL_DOWN_FORM_GROUP]
INPUT_FORM_PATH=wizard_test_input_form.asp
INPUT_FORM_MODE=search
RESULT_FORM_PATH=wizard_test_result_list.asp
RESULT_FORM_MODE=list
PLUGIN_VALUE=True
STRUCTURE_FIELDS=MolTable.Structure
FORM_GROUP_FLAG=INDEX_SEARCH
MW_FIELDS=MolTable.MolWeight
FORMULA_FIELDS=MolTable.Formula
SEARCHABLE_ADO_FIELDS=MolTable.Molname;0,Synonyms.SYN_ID;1,Synonyms.Sy
nonym;0
REQUIRED_FIELDS=NULL
SDFILE_FIELDS=NULL
TABLE_GROUP=base_table_group
```

FIG. 21C-3



25/25

wizard_test (1).ini

NUM_LIST_VIEW=5

INDEX_DB=wizard_test

[GS_FIELD_MAP_GROUP]

STRUC_FIELD_MAP=MolTable.Structure,MolTable.Structure

MW_FIELD_MAP=MolTable.MolWeight,MolTable.MolWeight

FORMULA_FIELD_MAP=MolTable.Formula,MolTable.Formula

OTHER_FIELD_MAP1=NULL

OTHER_FIELD_MAP2=NULL

OTHER_FIELD_MAP3=NULL

OTHER_FIELD_MAP4=NULL

OTHER_FIELD_MAP5=NULL

OTHER_FIELD_MAP6=NULL

FIG. 21D